

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. Contract ID Code		Page 1 of Pages 4		
2. Amendment/Modification No. 002			3. Effective Date Apr 8, 2005		4. Requisition/Purchase Req. No. NE-EK0000-5-0033		5. Project No. (if applicable)	
6. Issued By NESDIS HQTR Route: E/OSD ROBERT E. RANSOM BLDG: SSMC1 RM: 6213 1335 EAST WEST HWY SILVER SPRING MD 20910-3283				7. Administered By (If other than Item 6) Code SEE BLOCK 6				
8. Name and Address of Contractor (No., Street, County, and Zip Code)					(X)		9A. Amendment of Solicitation No. DG133E-05-RP-1034	
					X		9B. Date (See Item 11) Mar 22, 2005	
							10A. Modification of Contract/Order No.	
							10B. Date (See Item 13)	
Code			Facility Code					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS								
<input checked="" type="checkbox"/> The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended <input checked="" type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing items 8 and 15, and returning <u>1</u> copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.								
12. Accounting and Appropriation Data (if required)								
1. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.								
(x)		A. This change order is issued pursuant to: (Specify authority) The changes set forth in item 14 are made in the Contract Order No. in item 10A.						
		B. The above numbered Contract/Order is modified to reflect the administrative changes (such as changes in paying office, appropriation date, etc.) Set fourth item 14, pursuant to the authority of FAR 43.103 (b)						
		C. This supplemental agreement is entered into pursuant to authority of:						
		D. Other (Specify type of modification and authority)						
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return <input type="checkbox"/> copies to the issuing office.								
14. Description of Amendment/Modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)								

The purpose of this amendment is to incorporate the following revisions and answer questions (see page 2):

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.			
15A. Name and Title of Signer (Type or Print)		16A. Name and title of Contracting Officer (Type or Print)	
15B. Contractor/Offeror		16B. United States of America	
15C. Date Signed		16C. Date Signed	
(Signature of person authorized to sign)		(Signature of Contracting Officer)	

1. Reference subsection H.11 entitled "Data On GOES-R Instruments":
 - Paragraph (a) incorporation of the word 'Government' into the following sentence, "To the degree the following information becomes available during PDRR contract performance, the Government contemplates that it will make these data available to the Contractor."
 - Paragraph (e) is deleted in its entirety. H.11(e) is hereby replaced with the following:

(e) Although the Government intends to make data available to the Contractor regarding the instrument development efforts, it neither promises to do so nor warrants the suitability of the data for use under this contract. Neither the non-delivery of data by the Government nor the non-suitability of any data provided by the Government shall entitle the Contractor to an equitable adjustment in this contract. This data is not covered by any Government property clause in this contract.
 2. Reference subsection I.64 entitled "52.217-9 OPTION TO EXTEND THE TERM OF THE CONTRACT (MAR 2000)", paragraph (a). Incorporate the underlined text into paragraph (a): "(a) The Government may extend the term of this contract by written notice to the Contractor within six (6) months after the award date of this contract for Option 1 and within twelve (12) months after the award date of this contract for Option 2, provided that the Government gives the Contractor a preliminary written notice of its intent to extend at least fourteen calendar days before the contract expires."
 3. Reference subsection J.1 entitled "List of Attachments." There is no need to incorporate a CWBS into the contract as an attachments, therefore the title associated with Attachment 3 in subsection J.1, "Contract Work Breakdown Structure (CWBS)", is deleted and replaced with the word "Deleted."
 4. Reference subsection L.11 entitled "52.232-28 INVITATION TO PROPOSE PERFORMANCE-BASED PAYMENTS (MAR 2000)"
QUESTION: Is it the Government's intent that the contractor select which payment clause it chooses to bid for the PDRR phase?
ANSWER: According to L.11, the offeror is invited to propose performance based payments and reflect them in Volume V, Business Arrangements, Section 8—Performance Based Payment Schedule Attachment 5 (reference subparagraph L.18(e)(8)). If no performance based payments are identified, then existing payment provisions apply. See also H.3 entitled "Payment Schedule."
 5. Reference subsection L.18 entitled "Proposal Volumes and Content":
 - Subparagraph (f)(2)(B). Delete the words "in paragraph (1) above" and replace with "in paragraph (A) above."
 - Subparagraph (e)(6). Delete the words "CWBS Attachment 3 (identical to Volume II, Sect. 3)" and replace with "Deleted"
 6. Reference subsection L.19 entitled "Paper Proposal Instructions", paragraph (g), table entitled "Paper Proposal Page Limits and Quantities." The Volume V, Title and Description "Sect. 6 CWBS Attachment 3" is changed to delete the words "CWBS Attachment 3" and replace with "Deleted."
 7. Reference subsection L.21 entitled "Past Performance Questionnaire":
 - Paragraph (a): Incorporate the following sentences at the end of paragraph (a): "Page 5 of the past performance questionnaire, titled 'SAMPLE Past Performance Questionnaire Tracking Record' is for the offeror's use and is not submitted with the completed Past Performance Questionnaire but rather, is to be submitted by the prime offeror with its Past Performance Volume IV. This page does not count toward the page limitation."
 - Subparagraph (c)(3): Correction, questionnaires shall be submitted directly to the Government, and not via the offeror, to the address in Block 8 of the RFP cover page SF-33;
 - Subparagraph (c)(3): Incorporate the following sentence at the end of subparagraph (c)(3): "Past performance questionnaires may be submitted via email to Robert E. Ransom, Contracting Officer (robert.ransom@noaa.gov).
 8. Reference subsection L.24 entitled "IMP, IMS, AND CWBS."
 - Subparagraph (b)(1) - The first sentence of subparagraph (b)(1) is revised to read as follows: A suggested Work Breakdown Structure (WBS) and associated dictionary is posted at http://osd.goes.noaa.gov/final_ref_doc.php.
 - Paragraph (d) - The first sentence of paragraph (d) is deleted and replaced with the following: The contractor shall create a CWBS capturing its approach for the A&O phase.
 - Subparagraphs (b)(1) and paragraph (d) – **QUESTION:** Do you intend to issue a revised CWBS or should the offerors continue to use the version dated 1/28/05? **ANSWER:** Offerors may continue to refer to the version dated 28 Jan 2005 and posted on the GOES-R Program website http://osd.goes.noaa.gov/final_ref_doc.php. Be advised, each offeror is free to propose its own CWBS based on its own unique approach.
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- Subparagraph (b)(8) – **QUESTION:** Will the Government please provide further definition of the terms “Technical Program and Planning Management” and “Design Considerations” relative to requirements defined in paragraph (7)? **ANSWER:** The “Technical Program and Planning Management” does not include the business management process(s) and focuses on the program’s technical planning and management process(es). The term “Design Considerations” relates to the process for managing the design process.

9. Reference subsection L.29 entitled “General Instructions”:

- Paragraph (d) entitled “Schedule Information.” The “Projected Schedule Dates” for the following events are revised:

<u>Event</u>	<u>Projected Schedule</u>
CLIN 0100 PDRR effort complete	Jul 2007

- Paragraph (d) entitled “Schedule Information.” **QUESTION:** The table on page 42 has the post award conference in October 2005 and the SRR in February 2006. The tailored 1423 for CDRL A001 has the Post Award Conference ATP plus one week (about 22 September 2005), the Requirements TIM at ATP plus two weeks (about 29 September 2005), and the SRR at ATP plus 4.5 months (January 2006). Would the Government please reconcile these dates? **ANSWER:** The dates established for the events shown in the table entitled “Schedule Information” are projected dates and may be changed based on the offerors proposed schedule and the actual date of award. **NOTE:** The projected schedule date for “CLIN 0100 PDRR effort complete” is changed above to be more consistent with the PDRR Contract’s overall period of performance.

10. Reference subsection M.4 entitled “Evaluation of Proposals”:

- Paragraph (c) entitled “Factor 1—Mission Capability”, the sentence “Key elements include the approach to alternate architectural solutions, Space/Launch Segment, Mission Management Segment (MMS), and Product Generation and Distribution Segment (PGDS) definition and demonstrations, risk mitigation, interface definition, planning, costing, and business approaches deemed necessary to prepare to enter the A&O phase.” is changed to “Key elements include the approach to alternate architectural solutions, Space/Launch Segment and Ground Segment (Mission Management, Product Generation, and Product Distribution) definition and demonstrations, risk mitigation, interface definition, planning, costing, and business approaches deemed necessary to prepare to enter the A&O phase.”
- Subparagraph (d)(1). In order to ensure consistency with paragraph (2) below it, this paragraph is hereby deleted and replaced with the following:
(1) The objective of this factor is to assess the risk that the offeror’s proposed approach for the requirements of the solicitation relative to the likelihood or potential for disruption of schedule, increased cost, degradation of performance, increased Government oversight, or unsuccessful contractor performance. Information in Volumes II and III of the offeror’s proposal will be used in the Proposal Risk evaluation.

11. Reference Exhibit A, CDRL A027, “Finite Element Model.” Add to the “Notes”, section paragraph (j), (k) and an unnumbered paragraph as follows:

- j. Coordinates of all spacecraft-instrument interfaces, and solar array attachment points with respect to the spacecraft Body Reference Frame.
- k. Dynamic modeling details for all spacecraft disturbance sources such as reaction wheels, solar array drive(s), sun-pointing platform drive, and the identification of locations on the spacecraft where these disturbances are applied.

The model and spacecraft disturbance functions deliverables shall be provided in an electronic format that is compatible with MSC/NASTRAN.

12. In order to ensure the pricing schedule/approach is more clearly stated and linked to performing the full scope and objectives outlined in the Statement of Objectives, Page 2 of the solicitation document is hereby deleted and replaced with Page 2 as attached hereto.

13. Reference Draft RFP dated January 28, 2005, available at http://osd.goes.noaa.gov/documents/RFP_PACKAGE_28_JAN.pdf.

QUESTION: The Government has deleted the prior Clause H-109 Limitation of Governments Obligation that addressed funding of the contract. Is it correct to assume that the Base Effort and each Option will be fully funded at time of award? **ANSWER:** The Base Effort will be fully funded at time of award and each Option will be fully funded upon exercising of the Option.

14. Reference CONOPS. **QUESTION:** The MRD states in paragraph 3.7.1 that CLASS is a re-engineering and upgrade of current archive capabilities serving the National Data Centers (NCDC, NGDC, & NODC). We conclude from this that the respective GOES-R products will be routed to the appropriate DataCenter for archive in CLASS with the possibility of mutual backup among the 3 centers. Para 3.7.1.1 then alludes to a consolidation of these centers and states that CLASS will be a single software system operating at two distinct locations: NGDC and NCDC. Further, Para 3.5.1 of the CONOPS states that CLASS will be operational at the NSOF location in Suitland and at NCDC. Will NOAA please clarify the scope of CLASS operations with respect to GOES-R? **ANSWER:** Assume that there is a single interface to CLASS, and, for communications sizing and costing purposes that CLASS has two locations: Suitland, Maryland (NSOF); and Asheville, North Carolina (NCDC).
15. Reference CONOPS, Section 5.1, paragraph 2 and 5.2, paragraph 1. **QUESTION:** These two paragraphs indicate all products up through level 2 + are generated in parallel at both the primary and backup sites. Will the MRD be updated to include this as a requirement? **ANSWER:** No.
16. Reference CONOPS, Section 5.2, paragraph 6. **QUESTION:** Is it the government's intention to archive the SIS and SEISS level 0 data at the primary and backup locations? **ANSWER:** No. **QUESTION:** Will the MRD be updated to include this as a requirement? **ANSWER:** No. GOES-R will transmit raw SIS and SEISS data to the SEC. The SEC will produce Level 0 data from these raw data and will be responsible for archiving their data.
17. Reference CONOPS, Section 5.2, paragraph 6. **QUESTION:** The CONOP states "This thread also shows that users can request specified level 1b products to be regenerated. These requests can be handled by the product generation function for data under 30 days old." Will the MRD be updated to require the regeneration of level 1b products from within the GOES R system upon request? **ANSWER:** No. NOAA expects CLASS to do nearly all reprocessing. The exception being for items like troubleshooting. This reprocessing would be done off line.
18. Reference the GOES-R Instrument Schedule dated 3/25/05: **QUESTION:** Is the GOES-R Instrument Schedule as of 25 March 2005 posted on the NOAA Website to be considered an official change to the final RFP and therefore should that change be reflected in our GOES-R PDRR proposal response? **ANSWER:** The schedule is provided as additional supporting information for use by prospective PDRR contractors when preparing their proposals.
19. Reference the GOES-R Instrument Schedule dated 3/25/05: **QUESTION:** The GOES-R Instrument Schedule as of 25 March 2005 posted on the NOAA Website reflects only the implementation phase of the instrument program. Is there an official updated Instrument Formulation phase schedule that we can use for planning purposes in our GOES-R PDRR proposal? **ANSWER:** Of the five primary GOES-R instruments, only the Advance Baseline Imager (ABI) has completed instrument formulation (Dec 2003) and is currently in the implementation phase of development. The Hyperspectral Environmental Suite (HES) started instrument formulation in June 2004 and is scheduled for completion in June 2006, the Solar Imaging Suite (SIS) started formulation in September 2004 and is scheduled for completion in March 2006, and the Space Environment In-Situ Suite (SEISS) started formulation in December 2004 and is scheduled for completion in September 2005. The Geostationary Lightning Mapper (GLM) formulation phase is currently on-hold.
20. Reference the GOES-R Instrument Schedule dated 3/25/05: **QUESTION:** The Instrument Engineering Model (EM) deliveries are not included in the GOES-R Instrument Schedule as of 25 March 2005 posted on the NOAA Website. When are the Instrument EMs going to be delivered for each Instrument? Are the EMs going to be high-fidelity, flight-like in quality and maturity? **ANSWER:** The GOES-R instrument Engineering Models (EM) will be high fidelity models with regard to form, fit and function. They are intended for early spacecraft/instrument interface verification testing. At this time, the only GOES-R instrument implementation contract awarded is for the ABI. For proposal purposes, offerors may assume the ABI EM delivery date will occur in the last quarter of calendar year 2008.
21. Offerors are advised to periodically check the "Applicable and Reference Documents" posted on the GOES-R website for updates and additions including a recent posting of questions and responses relative to the Advanced Baseline Imager (ABI).
http://osd.goes.noaa.gov/final_pdr_rfp.php.
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Attachment 01 to Amendment 002
DG133E-05-RP-1034
(1 page)

Item No.	Supplies/Services	Quantity	Unit	Unit Price	Amount
0100	<p>In consideration for the amounts set forth below, the contractor shall perform all services necessary to achieve the GOES-R Program Definition and Risk Reduction (PDRR) objectives outlined in Attachment 1, "Statement of Objectives." Performance shall be in accordance with the Integrated Master Plan (IMP) (Attachment 2) with work products as set forth in the Contract Data Requirements List (CDRL) (Exhibit A). Payment for the full scope of services necessary to achieve the PDRR objectives is divided among a basic and optional performance periods that are generally linked to milestone events as set forth below:</p> <p>BASIC EFFORT - System Requirements Review (SRR) Firm-Fixed-Price Perform activities necessary to achieve the GOES-R Program Definition and Risk Reduction (PDRR) Statement of Objectives (SOO) consistent with the Integrated Master Plan (IMP), Integrated Master Schedule (IMS), and Contract Data Requirements List (CDRL) including completion of <u>System Requirements Review (SRR)</u>. Said services include, but are not limited to demonstration and validation of critical design issues, including risk reduction, by conducting Cost-As-an-Independent-Variable (CAIV) trades (cost/performance and performance/performance), developing draft GOES-R system description documents, initiating process and product demonstrations, culminating with the delivery and conduct of a <u>System Requirements Review (SRR)</u>, and maturing the total system design towards the Preliminary Design Review (PDR) level. Period of Performance: 6 months after effective date of contract</p> <p>OPTION 1 - System Concept Review (SCR) Firm-Fixed-Price Perform activities necessary to achieve the GOES-R PDRR SOO consistent with contract IMP, IMS, and CDRL including completion of <u>System Concept Review (SCR)</u>. Said services include, but are not limited to demonstration and validation of critical design issues, including risk reduction, by conducting Cost-As-an-Independent-Variable (CAIV) trades (cost/performance and performance/performance), developing draft GOES-R system description documents, initiating process and product demonstrations, culminating with the delivery and conduct of a <u>System Concept Review (SCR)</u>, and maturing the total system design towards the Preliminary Design Review (PDR) level. Period of Performance: 6 months after effective date of option If this option is exercised, the CLIN 0100 price will be increased by \$(*).</p> <p>OPTION 2 - Interim Preliminary Design Review (IPDR) Firm-Fixed-Price Perform activities necessary to achieve the GOES-R PDRR SOO consistent with contract IMP, IMS, and CDRL including completion of Interim Preliminary Design Review (IPDR). Said services shall include, but are not limited to demonstration and validation of critical design issues, including risk reduction, by conducting Cost-As-an-Independent-Variable (CAIV) trades (cost/performance and performance/performance), developing draft GOES-R system description documents, initiating process and product demonstrations, culminating with the delivery and conduct of an <u>Interim Preliminary Design Review (IPDR)</u>, and maturing the total system design towards the Preliminary Design Review (PDR) level. Period of Performance: 10 months after effective date of option If this option is exercised, the CLIN 0100 price will be increased by \$(*).</p> <p>(*) Offeror fill-in LO = LOT Accounting and appropriation data: 1405C2NS19GP613205030100140090000000000025270000</p>	1	LO		
0200	<p>DATA AND REPORTS Contract type: FIRM FIXED PRICE Inspection: DESTINATION Acceptance: DESTINATION FOB: DESTINATION</p> <p>The contractor shall deliver all data and reports resulting from CLIN 0100 in accordance with Exhibit A, Contract Data Requirements List (CDRL) DD 1423 dated (*) attached hereto and made a part hereof. The price for this item is included in 0100.</p> <p>(*) Offeror Fill-In NSP = NOT SEPARATELY PRICED LO = LOT</p>	1	LO	NSP	NSP

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